Index of Claims

Application/Control No.

10/003,776

Examiner

Shewaye Gelagay

Applicant(s)/Patent under Reexamination

TURTIAINEN ET AL.

Art Unit

2133

| <b>√</b> | Rejected |
|----------|----------|
| =        | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
|   | Postricted                     |

| N | Non-Elected  |
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| ı | Interference |

| Α | Appeal   |
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| 0 | Objected |

|             |   | Ш             |              |                                     |              |              | ı        |  |                                     |                 |
|-------------|---|---------------|--------------|-------------------------------------|--------------|--------------|----------|--|-------------------------------------|-----------------|
| CI          | -1  |               |              |                                     |              | \\           |          |  |                                     | $\neg$          |
| Cla         |   | $\vdash$      |              |                                     | _            | Date         | _        |  |                                     | $\dashv$        |
| _           | Original  | 2             |              |                                     |              |              |          |  |                                     |                 |
| Final       | <u></u>   | 4/29/05       |              |                                     |              |              |          |  |                                     |                 |
| i.          | 5   | 4/2           |              |                                     |              |              |          |  |                                     |                 |
|             | حرا   |               |              |                                     |              | $\Box$       |          | Щ  | _                                   | $\sqcup$        |
|             | سك  | $ abla_{\mu}$ |              |                                     |              |              |          |  |                                     |                 |
|             | 2   | V,            |              |                                     |              |              |          |  |                                     |                 |
|             | 3   | V             |              |                                     |              |              |          |  |                                     |                 |
|             | 4   | <u>レ</u>      | _            |                                     |              |              |          |  |                                     |                 |
| (           | 2<br>3<br>4<br>5<br>6   | V             |              |                                     |              |              |          |  |                                     |                 |
|             | 6   | V             |              |                                     |              |              |          |  |                                     |                 |
|             | 7   | V             |              |                                     |              |              |          |  |                                     |                 |
|             | 8   |               |              |                                     |              |              |          |  |                                     |                 |
|             | 9   |               |              |                                     |              |              |          |  |                                     |                 |
|             | 10  |               |              |                                     |              |              |          |  |                                     |                 |
|             | 11  |               |              |                                     |              |              |          |  |                                     |                 |
|             | 12  |               |              |                                     |              |              |          |  |                                     |                 |
|             | 13  |               |              |                                     |              |              |          |  |                                     |                 |
|             | 14  |               |              |                                     |              |              |          |  |                                     |                 |
|             | 15  |               |              |                                     |              |              |          |  |                                     |                 |
|             | 9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27 | П             |              |                                     |              |              |          |  |                                     |                 |
|             | 17  | T             |              |                                     |              |              | Г        |  |                                     |                 |
|             | 18  |               |              |                                     |              |              | Г        | _  | _                                   | П               |
|             | 19  | T             |              |                                     |              |              | _        | -  | _                                   | П               |
|             | 20  | H             | $\vdash$     | $\vdash$                            | $\vdash$     | _            | ┢        | <del>                                     </del> |                                     | Н               |
|             | 21  | H             | $\vdash$     | $\vdash$                            | -            | -            |          |  | _                                   | $\dashv$        |
|             | 22  | $\vdash$      | $\vdash$     | $\vdash$                            | $\vdash$     |              | $\vdash$ | ┢  | —                                   |                 |
| _           | 23  | $\vdash$      | $\vdash$     |                                     | $\vdash$     | -            |          | $\vdash$   | _                                   | $\vdash \dashv$ |
|             | 24  | -             | -            | -                                   | $\vdash$     |              | $\vdash$ | H  | -                                   | $\dashv$        |
|             | 25  | -             | $\vdash$     |                                     | -            |              | -        | $\vdash$   | -                                   | $\dashv$        |
|             | 25  | ┝             | -            |                                     | -            | -            | -        | -  | _                                   | $\dashv$        |
|             | 27  | $\vdash$      | $\vdash$     | ┝                                   | -            | -            | -        | -  | -                                   | Н               |
|             | 20  | ┝             | ┝            | ┝                                   | -            | -            |          |  | _                                   | Н               |
| -           | 28<br>29<br>30  | ┢             | -            |                                     | -            | -            |          | ┝  | -                                   | $\dashv$        |
| -           | 29  | ⊢             | -            | -                                   | -            |              | -        |  |                                     | $\dashv$        |
| <u> </u>    | 30  | _             | -            | <u> </u>                            | <del> </del> |              | _        | L  | _                                   | $\dashv$        |
|             | 31<br>32  | -             | -            | _                                   | H            | H            | $\vdash$ | $\vdash$   | _                                   | $\dashv$        |
|             | 32  | -             | <u> </u>     | _                                   | ┡            | _            | <u> </u> | ⊢  |                                     | Н               |
|             | 33  | -             | $\vdash$     | -                                   | -            | -            | <u> </u> | <u> </u>   | <u> </u>                            | $\vdash$        |
|             | 34<br>35  | ⊢             | <u> </u>     |                                     | H            | _            | -        | <del> </del>                                     | -                                   | $\vdash$        |
|             | 35  | ├-            | <u> </u>     | <u> </u>                            | <b> </b>     |              | $\vdash$ | $\vdash$   |                                     | $\vdash$        |
| <del></del> | 36<br>37  | <del> </del>  | <del> </del> | ļ                                   | H            |              | <u> </u> | <u> </u>   | ۳                                   | Н               |
| <u> </u>    | 3/  | $\vdash$      | <u> </u>     | <u> </u>                            | H            | $\vdash$     | <u> </u> | <u> </u>   | ┡                                   | $\vdash$        |
|             | 38  | ⊢             | $\vdash$     | <u> </u>                            | -            | <u> </u>     | <u> </u> | <u> </u>   | <u> </u>                            | $\vdash$        |
| -           | 39  | <u> </u>      | <u> </u>     | <b>—</b>                            |              |              |          | <u> </u>   | -                                   | $\vdash$        |
|             | 40  | <u> </u>      | <u> </u>     | -                                   | -            | -            | <u> </u> | <u> </u>   | _                                   | Н               |
|             | 41  | <u> </u>      | <u> </u>     | <u> </u>                            | <u> </u>     | <u> </u>     | <u> </u> | <u> </u>   | <u> </u>                            | Щ               |
| <u></u>     | 42  | <u> </u>      | _            | <u> </u>                            | ļ            | <u> </u>     | <u> </u> | _  | _                                   | Щ               |
| <u></u>     | 43  | <u> </u>      | <u> </u>     | _                                   | <u> </u>     | _            | _        | _  |                                     |                 |
| <u> </u>    | 44  | <u> </u>      | <u> </u>     | <u> </u>                            | <u> </u>     | <u> </u>     | <u> </u> | <b>—</b>   | _                                   | Щ               |
|             | 45  | _             | <u> </u>     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | ldash        | $oxed{oxed}$ | <u> </u> | <u> </u>   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Ш               |
| <u></u>     | 46  | _             |              |                                     | _            | L            | <u> </u> | <u> </u>   | _                                   | Ш               |
|             | 47  | $oxed{oxed}$  | _            | _                                   |              |              | _        | <u> </u>   | <u></u>                             | Ш               |
| L           | 48  | <u></u>       |              |                                     |              |              |          | _  | _                                   |                 |
|             | 49  | L             |              |                                     |              | L            | _        | L  | _                                   | Ш               |
|             | 50  |               |              |                                     |              |              |          | _  |                                     |                 |

| Cla   | aim         |          |              |          |          | Date     | =        |          |                |  |   | Cla      | im       |  |          |            | [       | ate      | 9            |          |            |                                     |            |
|-------|-------------|----------|--------------|----------|----------|----------|----------|----------|----------------|--|---|----------|----------|--|----------|------------|---------|----------|--------------|----------|------------|-------------------------------------|------------|
| Final | C) Original | 4/29/05  |              |          |          |          |          |          |                |  |   | Final    | Original |  |          |            |         |          |              |          |            |                                     |            |
|       | (1)         | V.       |              |          |          |          |          |          |                |  | l |          | 51       |  |          |            |         |          |              |          |            |                                     |            |
|       | 3           | V,       |              |          |          |          |          |          |                |  |   |          | 52       |  |          |            |         | _        |              |          |            | $\Box$                              |            |
|       | 3           | V        | ļ            |          |          |          |          |          |                |  |   |          | 53       |  |          |            |         |          |              |          |            |                                     |            |
|       | 4 5         | 7        |              |          |          |          |          |          |                |  |   |          | 54       |  |          |            |         |          |              |          |            |                                     | L          |
| _(    |             | V        |              |          |          |          |          |          |                |  |   |          | 55       |  |          |            |         |          |              |          |            |                                     | L          |
|       | 6           | V        |              |          |          |          |          |          |                |  |   |          | 56       |  |          |            |         |          |              |          | Щ          |                                     | L          |
|       | 7           | V        |              |          |          |          |          |          | _              | _  |   |          | 57       |  |          | _          |         |          |              |          | Ш          |                                     | -          |
|       | 8           | _        |              | _        |          |          | _        |          |                | <u> </u>   |   |          | 58       |  |          | _          | _       |          |              |          |            |                                     | i  -       |
|       | 9           |          | _            | _        |          |          |          |          | ļ              |  |   |          | 59       | Ш  |          | _          |         |          |              | _        | Ш          |                                     | -          |
|       | 10          | _        |              |          | _        |          | _        |          | _              |  |   |          | 60       | Н  | _        | _          | _       | _        | _            | _        | _          |                                     | -          |
|       | 11          |          | _            |          | _        | <u> </u> | _        |          |                |  |   |          | 61       |  |          |            |         |          |              |          |            |                                     | -          |
|       | 12          | _        | _            | _        |          |          | $\vdash$ |          | <del>  -</del> | ├  |   |          | 62       | $\vdash$   |          |            |         |          |              | _        | Н          |                                     | -          |
|       | 13          | -        | _            | $\vdash$ | -        | H        |          | _        |                |  |   |          | 63<br>64 | -  |          |            |         |          |              |          | Н          | Н                                   | -          |
|       | 14          |          |              | H        |          | _        | H        |          | ┝              |  |   |          | 65       | _  | -        |            |         |          | _            | _        | Н          |                                     | ŀ          |
|       | 15<br>16    |          |              | <u> </u> |          | _        | _        |          | -              | ├-   |   |          | 65<br>66 |  | _        | _          | _       | _        |              | _        | Н          |                                     | -          |
|       | 17          |          |              | -        |          | ┢        | _        | _        |                | ├  |   |          | 67       |  |          |            |         | -        | H            |          | -          | -                                   | -          |
|       | 18          |          |              | -        | -        | $\vdash$ | ⊢        |          |                | ├  |   |          | 68       |  |          |            |         |          | ├            | ├        | -          |                                     | ł          |
|       | 19          | $\vdash$ |              | _        | -        |          | -        | —        | -              | ├  |   |          | 69       |  |          |            |         |          | <del> </del> |          | -          |                                     | l          |
|       | 20          | -        | ┝            | -        | -        | -        | ┝        |          |                | <del>                                     </del> |   |          | 70       | H  |          |            |         | -        | -            | ├        | $\vdash$   | _                                   | l          |
|       | 21          |          | $\vdash$     |          | -        | -        |          |          | -              | <del> </del>                                     |   |          | 71       | $\vdash$   |          |            |         | $\vdash$ | ┢            | ┝        | -          |                                     | <u> </u> - |
|       | 22          |          | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | -        | -              |  |   |          | 72       | H  |          |            | _       |          |              | ├─       | -          |                                     | -          |
|       | 23          | -        | ⊢            | -        | $\vdash$ | -        | -        | -        | -              | <del>                                     </del> |   |          | 73       | ┢╌   |          |            |         |          | -            | ┝        | -          |                                     | -          |
|       | 24          |          | <del> </del> | -        | $\vdash$ |          | $\vdash$ |          |                | 1  |   |          | 74       | <del>                                     </del> | _        |            | _       | -        | -            | $\vdash$ | $\vdash$   |                                     | -          |
|       | 25          | -        | $\vdash$     |          |          |          |          | -        | -              | 1  |   |          | 75       |  |          | _          | _       | _        | -            | ┢        | $\vdash$   | _                                   | -          |
|       | 26          | -        | -            |          |          | -        | ┝        | -        | -              | ╁  |   |          | 76       | H  |          |            |         | $\vdash$ | -            | $\vdash$ |            |                                     | -          |
|       | 27          | _        | $\vdash$     | _        | -        | _        | -        | _        |                | <u> </u>   |   |          | 77       | $\vdash$   |          |            |         | $\vdash$ | _            | $\vdash$ | $\vdash$   |                                     | l          |
|       | 28          |          | -            |          | -        | -        | -        | -        | -              | 一  |   |          | 78       |  |          |            |         | _        |              | _        |            |                                     | l          |
|       | 29          | -        | H            |          | -        | -        | -        | $\vdash$ | _              | $\vdash$   |   |          | 79       |  |          | _          |         | $\vdash$ | _            | $\vdash$ | $\vdash$   |                                     | l 1-       |
|       | 30          |          |              |          |          | -        | $\vdash$ | -        | -              | <u> </u>   |   |          | 80       | $\vdash$   |          |            | _       |          |              | <u> </u> |            |                                     | l 1-       |
|       | 31          | $\vdash$ | _            | _        | _        | -        |          |          | <u> </u>       | t  |   |          | 81       | T  |          |            | _       | _        |              |          |            |                                     |            |
|       | 32          | _        |              |          | $\vdash$ |          |          |          |                | ┢  |   |          | 82       |  | _        |            |         |          |              |          |            |                                     |            |
|       | 33          |          |              |          | Г        |          |          |          |                |  |   |          | 83       | -  |          |            |         |          |              | Г        |            |                                     |            |
|       | 34          |          |              |          |          |          |          |          |                |  |   |          | 84       |  | _        |            |         |          |              |          | _          |                                     |            |
|       | 35          |          |              |          |          |          |          |          |                | Г  |   |          | 85       | Г  |          |            |         |          |              |          |            |                                     |            |
|       | 36          |          |              |          |          |          |          |          |                |  |   |          | 86       |  |          |            |         |          |              |          |            |                                     |            |
|       | 37<br>38    |          |              |          |          |          |          |          |                |  |   |          | 87       |  |          |            |         |          |              |          |            |                                     |            |
|       | 38          |          |              |          |          |          |          |          |                |  |   |          | 88       |  |          |            |         |          |              |          |            |                                     |            |
|       | 39          |          |              |          |          |          |          |          |                |  |   |          | 89       |  |          |            |         |          |              |          |            |                                     |            |
|       | 40          |          |              |          |          |          |          |          |                |  |   |          | 90       |  |          |            |         |          |              |          |            |                                     | L          |
|       | 41          |          |              |          |          |          |          |          |                |  |   |          | 91       |  |          |            |         |          |              |          |            |                                     | L          |
|       | 42          |          |              |          | L.       |          |          |          | _              | <u>L</u>   |   |          | 92       |  |          |            |         |          |              |          |            |                                     | L          |
|       | 43          |          | $\Box$       | _        |          |          |          |          |                | 匚  |   |          | 93       |  |          |            |         |          |              |          |            | L                                   | L          |
|       | 44          | <u> </u> | <u> </u>     | L        | _        | _        | <u> </u> | _        | _              | <u> </u>   |   |          | 94       |  | L        |            | L.      | <u> </u> | _            |          | _          | _                                   | <u> </u>   |
|       | 45          | _        | <u> </u>     | _        | _        | 匚        | 匚        |          |                | _  |   |          | 95       |  |          |            | ــــــا | <u> </u> | _            | <u> </u> |            |                                     | ΙL         |
|       | 46          | _        |              |          | _        |          | <u> </u> | 匚        | <u> </u>       | <u> </u>   |   | <u> </u> | 96       |  |          |            |         | <u> </u> | _            | <u> </u> | <u> </u>   |                                     | L          |
|       | 47          | <u> </u> | <u> </u>     | <u></u>  | <u></u>  | <u> </u> | <u> </u> | _        | <u> </u>       | <u> </u>   |   |          | 97       | _  | <u> </u> | L          | L       | L_       | <u> </u>     |          | _          | _                                   | Į          |
|       | 48          | <u> </u> | _            | <u></u>  | <u></u>  | <u> </u> | _        | _        | <u> </u>       | <u>_</u>   |   |          | 98       | <u> </u>   | _        | L          | _       | L_       | _            | <u> </u> |            | _                                   | L          |
|       | 49          |          | <u> </u>     | <u> </u> | _        |          | <u> </u> | L_       | _              | <b>—</b>   |   | <u> </u> | 99       |  | _        | <u>L</u> . | L       | L        |              | <u> </u> | <u> </u>   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <b>!</b>   |
|       | 50          | L        | <u></u>      | <u></u>  | <u></u>  | <u> </u> | L        |          |                | <u> </u>   | J | L        | 100      |  |          | <u> </u>   | L_      | L        | <u> </u>     |          | <u>L</u> . |                                     | J L        |
|       |             |          |              |          |          |          |          |          |                |  |   |          |          |  |          |            |         |          |              |          |            |                                     |            |

| Cli  | Date                     |              |              |              |              |              |              |              |          |                 |  |
|--|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------|-----------------|--|
|  |                          |              |              |              |              |              |              |              |          |                 |  |
| Final  | Original                 |              |              |              |              |              |              |              |          |                 |  |
|  | 101                      |              |              |              |              |              |              |              |          |                 |  |
|  | 102                      |              |              |              |              |              |              |              |          |                 |  |
|  | 103                      |              |              |              |              |              |              |              |          |                 |  |
|  | 104                      |              |              |              |              |              |              |              |          |                 |  |
|  | 105                      |              |              |              |              |              |              |              |          |                 |  |
|  | 106                      | _            |              |              |              |              |              |              |          |                 |  |
|  | 107                      |              | _            |              |              |              |              |              |          |                 |  |
|  | 108                      |              |              |              |              |              |              |              |          |                 |  |
|  | 109                      |              | _            | _            | _            |              |              |              |          |                 |  |
|  | 110                      |              |              | _            |              |              |              |              |          |                 |  |
| -  | 110<br>111               |              |              |              |              |              |              |              |          | $\Box$          |  |
|  | 112                      |              |              |              | -            |              |              |              |          |                 |  |
|  | 113                      |              |              |              |              |              |              |              |          |                 |  |
|  | 114                      |              |              |              |              |              |              |              |          |                 |  |
|  | 113<br>114<br>115<br>116 |              |              |              |              |              |              |              |          |                 |  |
|  | 116                      |              |              |              |              |              |              |              |          |                 |  |
|  | 117                      |              |              |              |              |              |              |              |          |                 |  |
|  | 118                      |              |              |              |              |              |              |              |          | $\Box$          |  |
|  | 119                      |              |              |              |              |              |              |              |          |                 |  |
|  | 120                      |              |              |              |              |              |              |              |          |                 |  |
|  | 121                      |              |              |              |              |              |              |              |          |                 |  |
|  | 121<br>122               |              |              |              |              |              |              |              |          |                 |  |
|  | 123                      |              |              |              |              |              |              |              |          |                 |  |
|  | 124<br>125               |              |              |              |              |              |              |              |          |                 |  |
|  | 125                      |              |              |              |              |              |              |              |          |                 |  |
|  | 126<br>127<br>128        |              |              |              |              |              |              |              |          |                 |  |
|  | 127                      |              | _            |              | _            |              |              |              |          |                 |  |
|  | 128                      |              |              |              |              |              |              |              |          | Ш               |  |
|  | 129                      |              |              |              |              |              |              |              |          |                 |  |
|  | 130                      |              |              |              |              |              | L            |              |          | Ш               |  |
|  | 131                      |              |              |              |              | L            |              |              |          |                 |  |
|  | 132<br>133               | $oxed{oxed}$ |              |              | _            | $oxed{oxed}$ |              | Ш            |          | Ш               |  |
|  | 133                      | Ш            |              |              | <u> </u>     | $oxed{oxed}$ |              | L.           |          | $\Box$          |  |
| <u> </u>   | 134<br>135               | $oxed{oxed}$ |              |              | $oxed{oxed}$ | $oxed{oxed}$ | <u> </u>     |              | _        |                 |  |
|  | 135                      | <u> </u>     | _            | _            | _            | <u> </u>     | <u> </u>     |              | <u> </u> | $\square$       |  |
| ļ  | 136                      | <u> </u>     |              |              | _            |              | ļ            | _            | L_       | Щ               |  |
| <u> </u>   | 137<br>138               | L.           |              | ļ            | <u> </u>     |              |              |              |          | Щ               |  |
|  | 138                      | $\vdash$     | _            | $\vdash$     | <u> </u>     | $\vdash$     | <u> </u>     | <b>-</b>     | ļ        | $\vdash \dashv$ |  |
| ļ  | 139                      |              | _            | $\vdash$     | <u> </u>     | $\vdash$     | -            |              | <u> </u> | $\vdash \dashv$ |  |
|  | 140                      | $\vdash$     | _            | <u> </u>     | _            | <u> </u>     |              | -            |          | $\vdash$        |  |
| <del>                                     </del> | 141                      | <del> </del> | -            | -            | <u> </u>     | <u> </u>     | <del> </del> | <del> </del> | <u> </u> | $\vdash \vdash$ |  |
|  | 142                      | -            | -            | <del> </del> | <del> </del> | ├—           | <u> </u>     | <u> </u>     | <u> </u> | Н               |  |
| <del> </del> —                                   | 143                      | -            | <u> </u>     | ├-           |              | <b> </b> -   | ├-           | <u> </u>     | ļ        | $\vdash \vdash$ |  |
| <u> </u>   | 144                      | _            | -            |              | ⊢            |              | $\vdash$     | <u> </u>     | $\vdash$ | Н               |  |
| <u> </u>   | 145<br>146               | -            | <del> </del> |              | $\vdash$     | -            | ├            | $\vdash$     | $\vdash$ | H               |  |
| <del> </del>                                     |                          | $\vdash$     | $\vdash$     | -            | $\vdash$     | $\vdash$     | ├-           | $\vdash$     | $\vdash$ | $\vdash$        |  |
| <del> </del>                                     | 147                      | $\vdash$     | _            | <del> </del> | -            | ├            |              | -            | $\vdash$ | $\vdash$        |  |
| ├  |                          | <del> </del> | -            | $\vdash$     | <del> </del> | -            | -            | -            | $\vdash$ | $\vdash$        |  |
| <del> </del>                                     | 149                      | -            | -            | $\vdash$     |              | ├            | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash\vdash$  |  |
|  | 150                      |              | Ц_           | <u> </u>     |              |              |              |              | <u> </u> | ш               |  |